California Hydrogen Highway Blueprint

Implementation Topic Team

Sub-team C/S.2.b – Pressure Vessel Code

Implementation Topic Team Public Hearing

August 31, 2004

CalEPA, Sacramento, CA

Sub-team C/S.2.b – Pressure Vessel Code

There are at least 3 types of applications for pressure vessels, each with a different set of codes/regulations

- Stationary storage
- Commodity transport of dangerous goods
- Vehicle fuel tanks.

California is responsible for setting regulations for stationary storage only (Title 8)

US DOT is responsible for areas 2 and 3.

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- Identify and develop list of existing codes and standards regulation hydrogen storage vessels
- Identify near-, mid-, and long-term validity of various storage methods
- Identify gaps in hydrogen storage vessel codes and standards

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- Development of the ASME Boiler & Pressure Vessel Code is underway.
- The Code will establish "the rules of safety for the design, fabrication, and inspection of boilers and pressure vessels…for 90 years."
- Conference in New Orleans September 1.
- C/S.2.b team members will attend and reference proceedings for Hydrogen Highway

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- "The Division of Occupational Safety & Health (DOSH) is the state agency mandated to protect employees working in California."
- Two units of DOSH with jurisdiction over pressure vessels
  - CalOSHA Enforcement Unit
  - Pressure Vessel Unit

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- DOSH Pressure Vessel Unit role
  - No permit required for hydrogen systems
  - H2 systems are required to comply with Title 8 of the California Code of Regulation